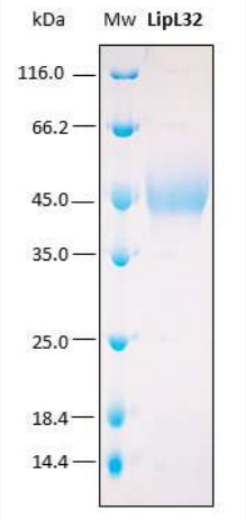
Recombinant Leptospira interrogans LipL32 Antigen, His tagged

Cat. No. LipL32-032L **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant antigen LipL32 has been prepared as the mature antigen fused to a his-tag. It is produced from the ORF of the lipL32 gene which codifies the major outer membrane protein of the spirochete Leptospira interrogans without the leader peptide.
Species	Leptospira interrogans
Source	P.pastoris
Description	LipL32 is a component of the leptospiral outer membrane and the most prominent protein in the leptospiral protein profile. It is also a very important immunogen during human leptospirosis. The sequence and expression of LipL32 is highly conserved among pathogenic Leptospira species. These findings indicate that LipL32 may be important in the pathogenesis, diagnosis, and prevention of leptospirosis.
Tag	C-His
Molecular Mass	Determined by SDS-PAGE, the protein band is at the molecular marker of 45 kDa, while relative molecular mass calculated from amino acid sequence and without glycosylation is 31,447.58 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 8, 0.15 M NaCl and 0.1% polyoxyethylene (10) tridecyl ether
Concentration	1.12 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Haake, D., G. Chao, R. L. Zuerner, J. K. Barnett, D. Barnett, M. Mazel, J. Matsunaga, P. N. Levett, and C. A. Bolin. The leptospiral major outer membrane protein LipL32 is a lipoprotein expressed during mammalian infection. 2000, Infect Immun., 68(4):2276–2285. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Purity	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE analysis (15%) of 5 μL of recombinant lipL32. Purity is >95% as determined by gel electrophoresis.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA